Fig 1

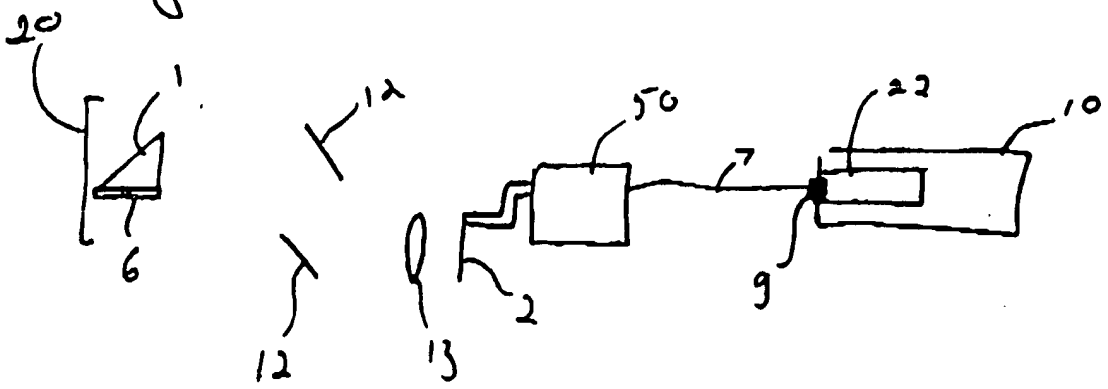
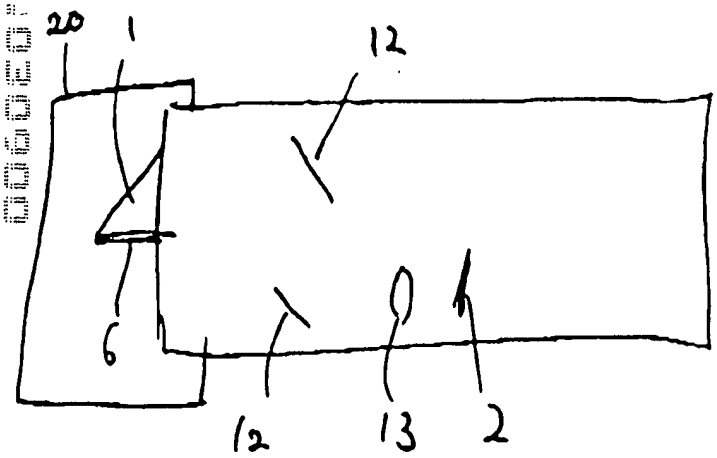
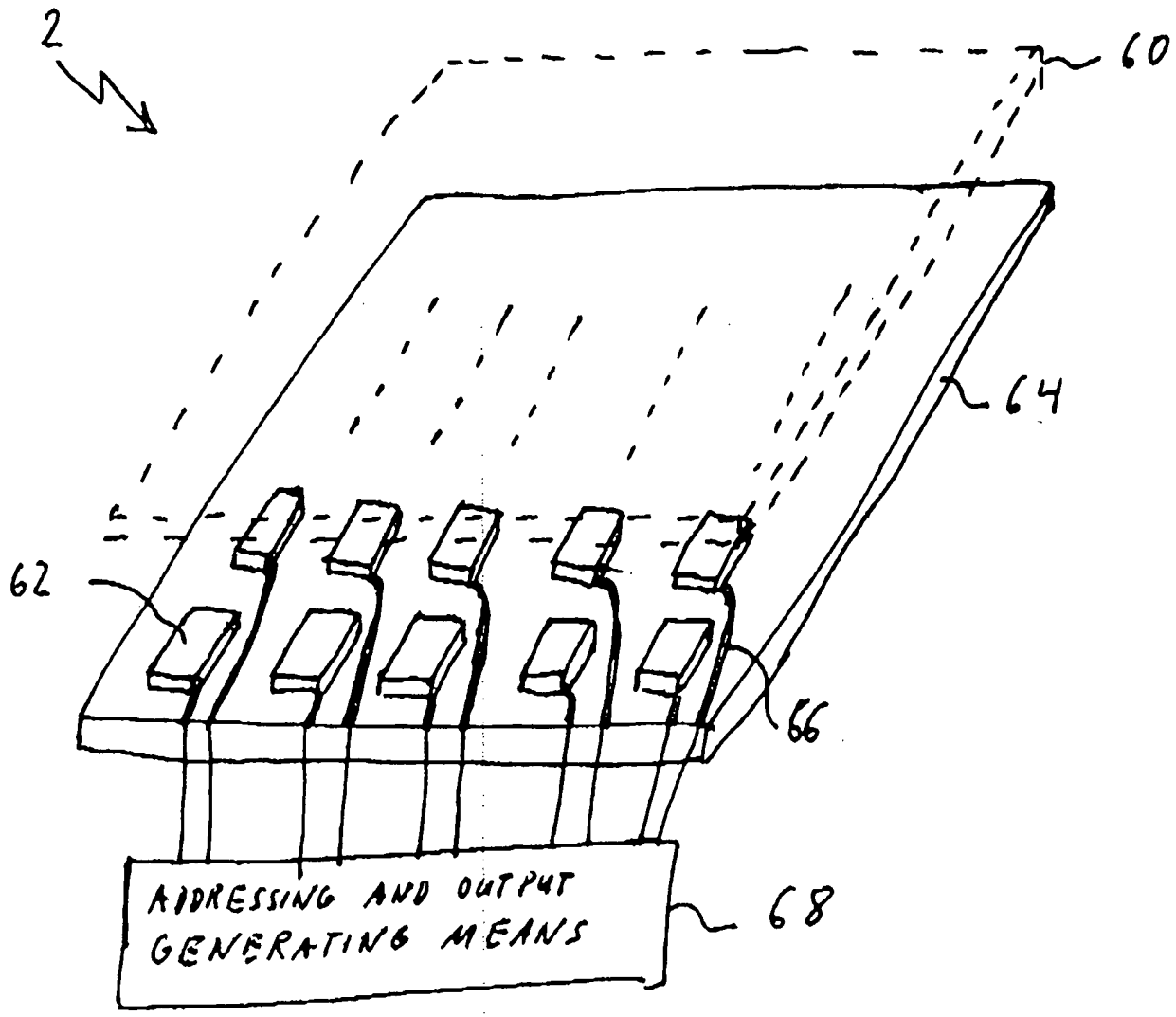


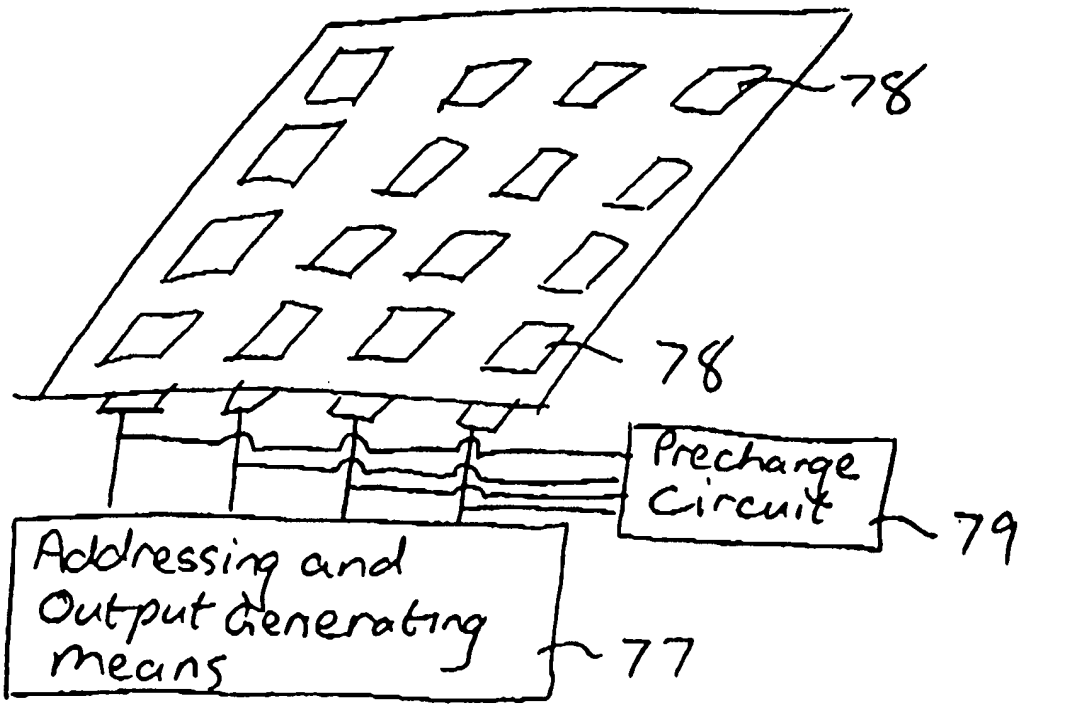
Fig 3





PRIOR ART

FIG. 1a



PRIOR ART

Fig. 2

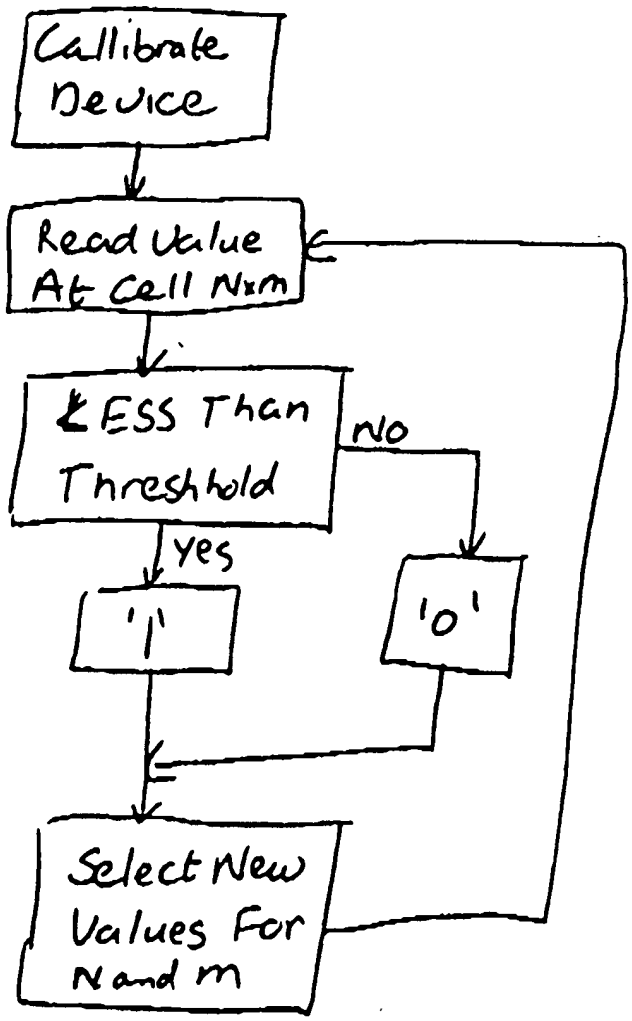

Callibrate Device
Read Value At Cell N x m
LESS Than Threshold
NO
yes
'1'
'0'
Select New Values For N and m

Fig 4A

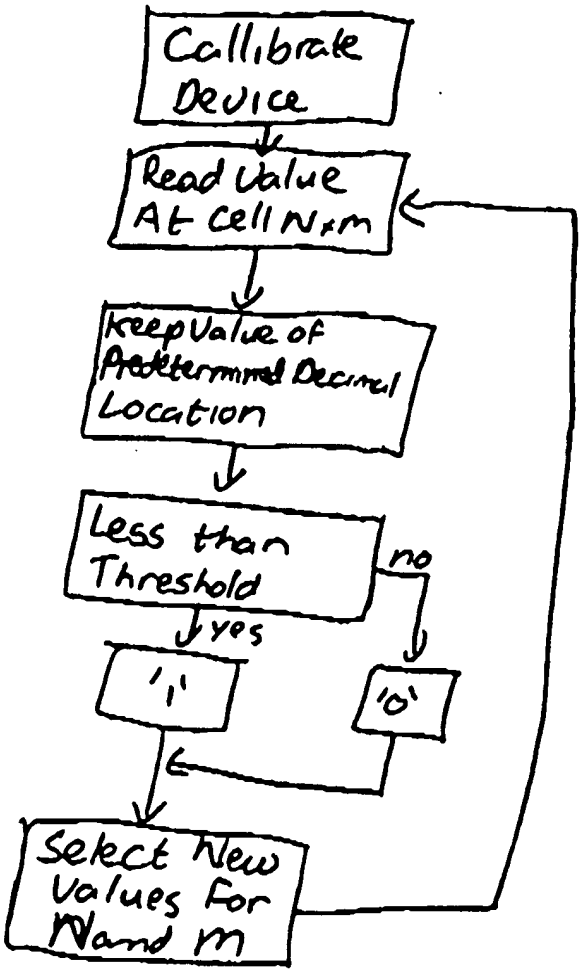

Callibrate Device
Read Value At Cell N x m
Keep Value of Predetermined Decimal Location
Less than Threshold
no
yes
'1'
'0'
Select New Values For N and m

Fig. 4B

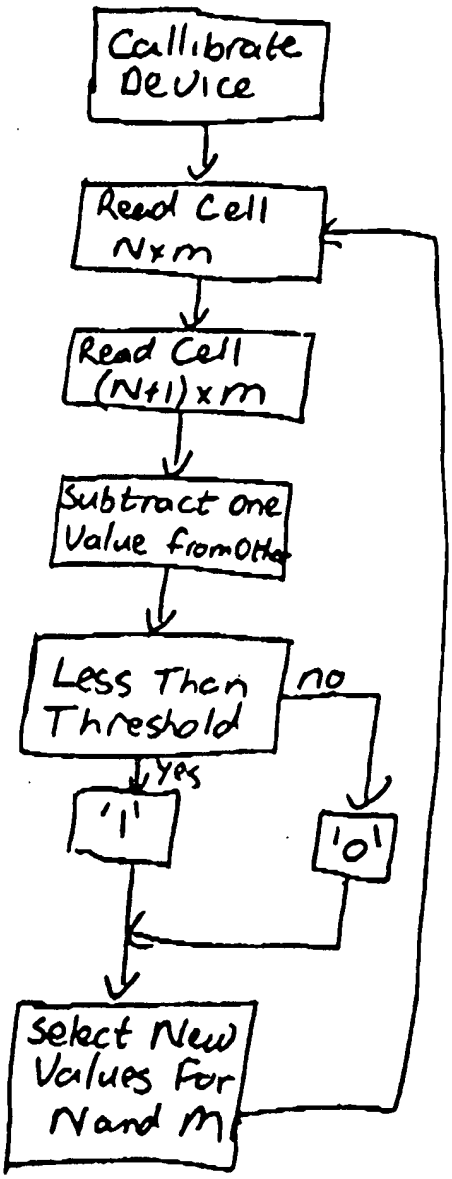

Callibrate Device
Read Cell N x m
Read Cell (N+1) x m
Subtract one Value from Other
Less Than Threshold
no
Yes
'1'
'0'
Select New Values For N and M

Fig. 4C

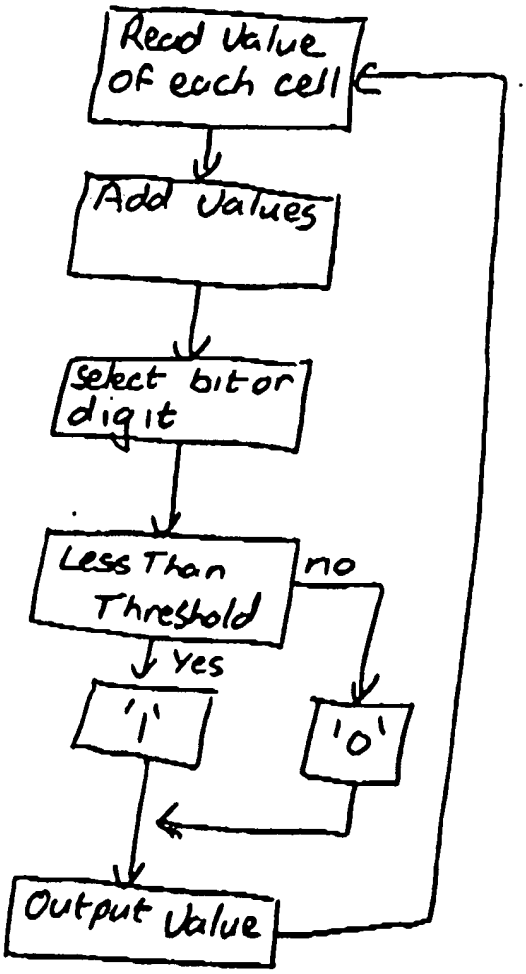

Read Value of each cell
Add Values
Select bit or digit
Less Than Threshold
no
Yes
'1'
'0'
Output Value

Fig 4d

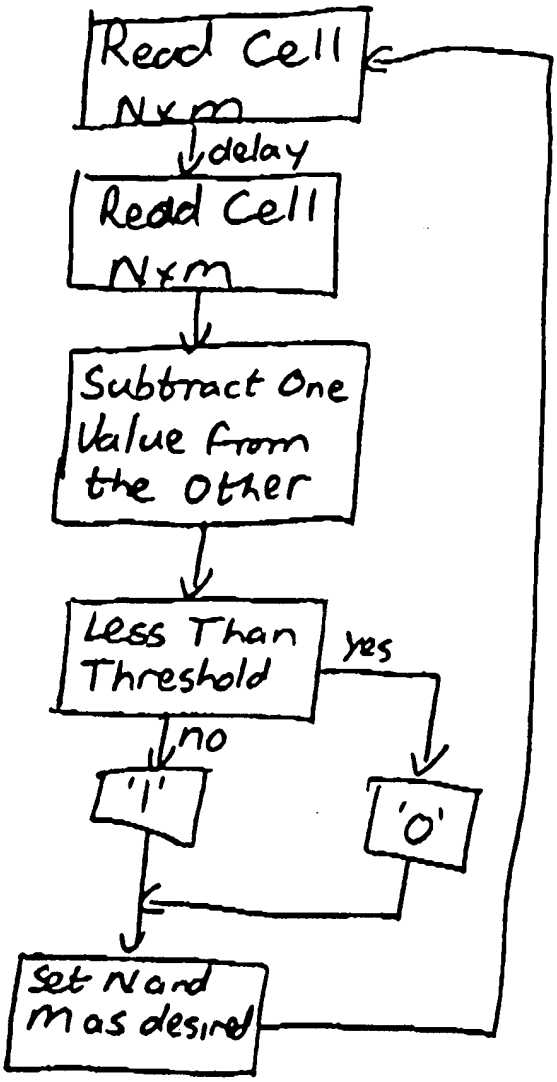
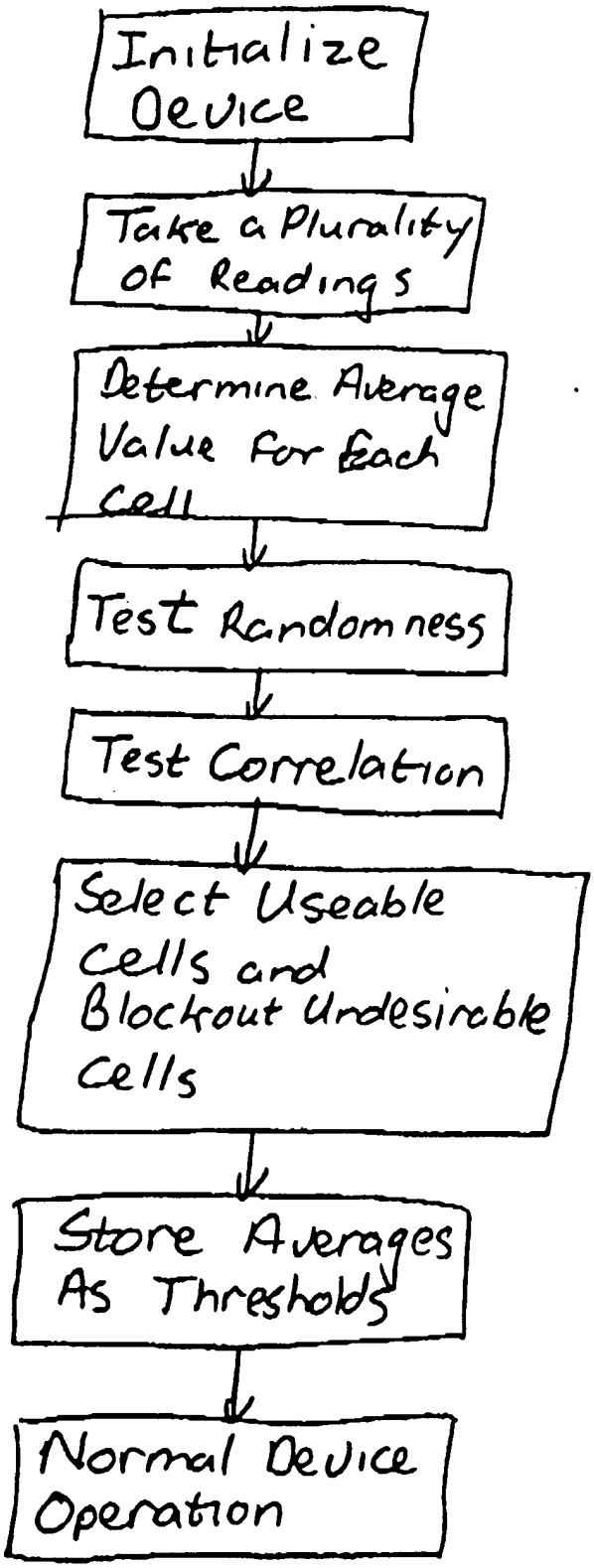

Read Cell
N x m
delay
Read Cell
N x m
Subtract One
Value from
the Other
Less Than
Threshold
yes
no
'1'
'0'
Set N and
M as desired

Fig. 4E

Fig. 5


Initialize Device
Take a Plurality of Readings
Determine Average Value for Each Cell
Test Randomness
Test Correlation
Select Useable Cells and Blockout Undesirable Cells
Store Averages As Thresholds
Normal Device Operation